

SPECIAL AIRWORTHINESS INFORMATION BULLETIN

Aircraft Certification Service
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<http://www.faa.gov/aircraft/safety/alerts/SAIB>

This is information only. Recommendations aren't mandatory.

Introduction

This Special Airworthiness Information Bulletin (SAIB) alerts you, owners and operators of **Eurocopter Deutschland GMBH (ECD) Model BO-105 series helicopters**, of the potential for a tail rotor pedal cover installation error that could result in limiting and/or binding of the anti-torque control pedals. This installation is predominately in the Air Medical operations but could be utilized in other operations. This SAIB may also apply to other aircraft installations where a box cover has been installed.

Background

During a recent accident investigation it has been determined that the potential for the installation of a field approved anti-torque pedal cover "box" (see attached photos 1.1 & 1.2) may limit anti-torque control pedal input and could result in the loss of aircraft control.

Recommendation

We strongly recommend that you:

- Remove the field approved tail rotor pedal box and install a supplemental type certificated (STC) tail rotor pedal safety kit.
- Review the tail rotor pedal cover installation instructions on the field approval in the aircraft maintenance records. The pedals **MUST** be moved to the **FULL AFT** position. (AFT is

considered the position toward the back of the aircraft)

- Have the installation and removal performed by a licensed airframe mechanic.
- Ensure your tail rotor pedal cover box is clearly marked per the FAA form 337. The field approved FAA form 337 for this installation states: "CAUTION! The pedals must be in the full aft position for cover installation" and "CAUTION! Cyclic and collective covers to be installed when the tail rotor pedal cover is installed" and "both placards must be Red with white letters and located on top of the pedal cover."
- Pilots should perform a full anti-torque control pedal full movement check as part of their pre-flight inspection.



Photo 1.1



Photo 1.2

- If you are experiencing a problem with the anti-torque control pedals “creeping/moving” after they are frictioned into place, replace the cylinder locking P/N 105-40221 assembly to ensure the pedals are secure once the friction adjust is set.

For Further Information Contact

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